

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("5886488").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L2	2	"08110367"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L3	3	"07215427"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L4	6	"2002010578"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L5	2	("20070258799").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L6	15	L1 L2 L3 L4 L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L7	13	("3801959"   "3809988"   "4215410"   "4263537"   "4318625"   "4414496"   "4695016"   "4728871"   "4875005"   "5012166"   "5506512").PN. OR ("5886488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L8	13	L7 not L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L9	28	L6 L8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L10	7	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "heavy object" not L9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L11	35	L9 L10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L12	8	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and planet\$3 not L11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L13	43	L11 L12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L14	27	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "test head" not L11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58

L15	10	("4411587"   "4715775").PN. OR ("2008/0298948"   "4875005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L16	9	L15 not (L13 L14)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L17	55	L13 L14 L16	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L18	20	test adj head and planet\$3 not L17	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L19	75	L17 L18	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L20	382	test adj head with (swivel\$3 or swing \$3 or rotat\$3) not L19	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L21	457	L19 L20	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L22	4	(414/684.3,589,590).ccls. and planet\$3 not L21	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L23	461	L21 L22	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L24	40	(74/490.01,490.03,490.05).ccls. and planet\$3 not L23	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L25	501	L23 L24	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L26	50	(901/19,23,25).ccls. and planet\$3 not L25	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L27	551	L25 L26	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 09:58
L28	19	L27 and @pd>"20091119"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/04/29 09:58
L103	303	(475/178).ccls. not L27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2010/04/29 11:20
S1	2	("5886488").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:59
S2	2	"08110367"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:59
S3	3	"07215427"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:59
S4	6	"2002010578"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:59
S5	2	("20070258799").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:59
S6	15	S1 S2 S3 S4 S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 12:59

S7	12	("3801959"   "3809988"   "4215410"   "4263537"   "4318625"   "4414496"   "4695016"   "4728871"   "4875005"   "5012166"   "5506512").PN. OR ("5886488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 13:00
S8	12	S7 not S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 13:00
S9	27	S6 S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 13:01
S12	3348	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) not S9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 13:19
S14	7	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "heavy object" not S9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 13:20
S15	34	S9 S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 13:24
S16	7	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and planet\$3 not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 13:25
S17	41	S15 S16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 13:26
S18	20	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "test head" not S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 13:28
S19	10	("4411587"   "4715775").PN. OR ("2008/0298948"   "4875005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 13:34
S20	9	S19 not (S17 S18)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 13:34
S21	48	S17 S18 S20	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 13:37
S26	17	test adj head and planet\$3 not S21	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 13:45
S27	65	S21 S26	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 13:46
S30	358	test adj head with (swivel\$3 or swing \$3 or rotat\$3) not S27	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 13:48
S31	2	("5886488").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S32	2	"08110367"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S33	3	"07215427"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07

S34	6	"2002010578"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S35	2	("20070258799").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S36	15	S31 S32 S33 S34 S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S37	12	("3801959"   "3809988"   "4215410"   "4263537"   "4318625"   "4414496"   "4695016"   "4728871"   "4875005"   "5012166"   "5506512").PN. OR ("5886488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:07
S38	12	S37 not S36	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S39	27	S36 S38	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S40	7	(AKI YAMA-SHUJI.in. YUDATE- TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "heavy object" not S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S41	34	S39 S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S42	7	(AKI YAMA-SHUJI.in. YUDATE- TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and planet\$3 not S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S43	41	S41 S42	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S44	20	(AKI YAMA-SHUJI.in. YUDATE- TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "test head" not S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/25 15:07
S45	10	("4411587"   "4715775").PN. OR ("2008/0298948"   "4875005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:07
S46	9	S45 not (S43 S44)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:07
S47	48	S43 S44 S46	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:07
S48	17	test adj head and planet\$3 not S47	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:07
S49	65	S47 S48	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:07
S50	358	test adj head with (swivel\$3 or swing \$3 or rotat\$3) not S49	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:07
S51	423	S49 S50	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:07
S53	4	(414/684.3,589,590).ccls. and planet\$3 not S51	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:16

S54	427	S51 S53	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:20
S55	36	(74/490.01,490.03,490.05).ccls. and planet\$3 not S54	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/25 15:20
S56	2	("5886488").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S57	2	"08110367"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S58	3	"07215427"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S59	6	"2002010578"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S60	2	("20070258799").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S61	15	S56 S57 S58 S59 S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S62	12	("3801959"   "3809988"   "4215410"   "4263537"   "4318625"   "4414496"   "4695016"   "4728871"   "4875005"   "5012166"   "5506512").PN. OR ("5886488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S63	12	S62 not S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S64	27	S61 S63	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S65	7	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "heavy object" not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S66	34	S64 S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S67	7	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and planet\$3 not S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S68	41	S66 S67	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S69	20	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "test head" not S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/03/26 05:47
S70	10	("4411587"   "4715775").PN. OR ("2008/0298948"   "4875005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47

S71	9	S70 not (S68 S69)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S72	48	S68 S69 S71	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S73	17	test adj head and planet\$3 not S72	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S74	65	S72 S73	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S75	358	test adj head with (swivel\$3 or swing \$3 or rotat\$3) not S74	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S76	423	S74 S75	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S77	4	(414/684.3,589,590).ccls. and planet\$3 not S76	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S78	427	S76 S77	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S79	36	(74/490.01,490.03,490.05).ccls. and planet\$3 not S78	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S80	463	S78 S79	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:47
S81	49	(901/19,23,25).ccls. and planet\$3 not S80	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 05:50
S83	512	S80 S81	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/26 07:14
S84	2	("5886488").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S85	2	"08110367"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S86	3	"07215427"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S87	6	"2002010578"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S88	2	("20070258799").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S89	15	S84 S85 S86 S87 S88	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S90	13	("3801959"   "3809988"   "4215410"   "4263537"   "4318625"   "4414496"   "4695016"   "4728871"   "4875005"   "5012166"   "5506512").PN. OR ("5886488").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S91	13	S90 not S89	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S92	28	S89 S91	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55

S93	7	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "heavy object" not S92	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S94	35	S92 S93	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S95	8	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and planet\$3 not S94	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S96	43	S94 S95	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S97	21	(AKI YAMA-SHUJI.in. YUDATE-TOSHI HI RO.in. YAMADA-HI ROSHI.in. KAMEDA-NOBUHI RO.in.) and "test head" not S94	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/11/19 09:55
S98	10	("4411587"   "4715775").PN. OR ("2008/0298948"   "4875005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S99	9	S98 not (S96 S97)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S100	51	S96 S97 S99	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S101	19	test adj head and planet\$3 not S100	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S102	70	S100 S101	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S103	371	test adj head with (swivel\$3 or swing \$3 or rotat\$3) not S102	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S104	441	S102 S103	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S105	4	(414/684.3,589,590).ccls. and planet\$3 not S104	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S106	445	S104 S105	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S107	38	(74/490.01,490.03,490.05).ccls. and planet\$3 not S106	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S108	483	S106 S107	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S109	49	(901/19,23,25).ccls. and planet\$3 not S108	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S110	532	S108 S109	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55
S111	20	S110 and @pd>"20090325"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 09:55

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp

L99	2	test adj head with (swivel\$3 or swing\$3 or rotat\$3) and (planet\$3 near gear\$3)	US-PGPUB; USPAT; UPAD	OR	OFF	2010/04/29 10:36
L100	149	robot with (swivel\$3 or swing\$3 or rotat\$3) and (planet\$3 near gear\$3)	US-PGPUB; USPAT; UPAD	OR	OFF	2010/04/29 10:36
L101	149	L100 not L99	US-PGPUB; USPAT; UPAD	OR	OFF	2010/04/29 10:36

4/ 29/ 2010 11:25:47 AM

C:\ Documents and Settings\ ebishop\ My Documents\ EAST\ Workspaces\ 10590176 - turning device for heavy object.wsp